

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	New Application
				Filing Date	Concurrently herewith
				First Named Inventor:	YOUNG et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	42P19119
Sheet	1	of	2		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
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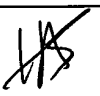

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	1.	WO	01/59895 A1		08-16-2001	GIGATERA AG		

Examiner Signature		Date Considered	7/3/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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Sheet	2	of	2	Attorney Docket Number	42P19119
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	2.	HOOGLAND et al., "Passively Mode-Locked Diode-Pumped Surface-Emitting Semiconductor Laser," <i>IEEE PHOTONICS TECHNOLOGY LETTERS</i> , vol. 12, No. 9, September 2000, pp. 1135-1137			
	3.	KARDOSH, IHAB et al., "Vertical-Extended-Cavity Surface-Emitting Lasers," <i>Annual Report 2002, Optoelectronics Department, University of Ulm</i> , pp. 1-7			
	4.	BROWNELL, MICHAEL, "External Cavity Design Yields Ultrafast VCSEL," <i>spie's oemagazine</i> , May 2002, pp. 10-11,			
	5.	HÄRING, RETO et al., "High-Power Passively Mode-Locked Semiconductor Lasers," <i>IEEE JOURNAL OF QUANTUM ELECTRONICS</i> , vol. 38, No. 9, September 2002, pp. 1268-1275			
	6.	JASIM, K. et al., "Passively Modelocked Vertical Extended Cavity Surface Emitting Diode Laser," <i>ELECTRONICS LETTERS</i> , vol. 39, No. 4, 20 th February 2003, pp. 373-375			
	7.	McINERNEY, J.G. et al., "High-Power Surface Emitting Semiconductor Laser with Extended Vertical Compound Cavity," <i>ELECTRONICS LETTERS</i> , vol. 39, No. 6, 20 th March 2003, pp. 523-525			
	8.	LUTGEN, S. et al., "8-W High-Efficiency Continuous-Wave Semiconductor Disk Laser at 1000 NM," <i>APPLIED PHYSICS LETTERS</i> , vol. 82, No. 21, 26 May 2003, pp. 3620-3622			

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Application Number	10/814,050
Filing Date	March 31, 2004
First Named Inventor:	YOUNG et al.
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	42P19119

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NON PATENT LITERATURE DOCUMENTS

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Signature

Hayat Sayad

Date
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7/3/2006

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Application Number	10/814,050
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First Named Inventor:	Young et al.
Art Unit	2872
Examiner Name	Not Yet Assigned
Attorney Docket Number	42P19119

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
JS	1.	US-	5,574,738	11-12-1996	Morgan	
	2.	US-	5,627,853	05-06-1997	Mooradian et al.	
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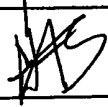
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
JS	3.	EP	0398038 A2	11-22-1990	IBM Corporation		
	4.	JP	2003218449	07-31-2003	Ricoh Co., Ltd.		


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Signature*Haye Sayadri*

Date Considered

7/3/2006

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	5.	ARAHIRA, Shin et al., "Mode-Locking at Very High Repetition Rates More than Terahertz in Passively Mode-Locked Distributed-Bragg-Reflector Laser Diodes," IEEE JOURNAL OF QUANTUM ELECTRONICS, Vol. 32, No. 7, July 1996, pp. 1211-1224.				
	6.	KRAINER, L. et al., "77 GHz soliton on modelocked Nd:YVO ₄ laser," ELECTRONICS LETTERS, Vol. 36, No. 22, October 26, 2000.				
	7.	SPÜHLER, G. J. et al., "Output-coupling semiconductor saturable absorber mirror," APPLIED PHYSICS LETTERS, Vol. 78, No. 18, April 30, 2001, pp. 2733-2735.				
	8.	HUANG, Xiaodong et al., "Passive mode-locking in 1.3 µm two-section InAs quantum dot lasers," APPLIED PHYSICS LETTERS, Vol. 78, No. 19, May 7, 2001, pp. 2825-2827.				
	9.	RAFAILOV, E. U. et al., "Fast quantum-dot saturable absorber for passive mode-locking of solid-state lasers," IEEE, 2003, pp. 557-558.				
	10.	GOMES, Luis A. et al., "Picosecond SESAM-Based Ytterbium Mode-Locked Fiber Lasers," IEEE JOURNAL OF SELECTED TOPICS IN QUANTUM ELECTRONICS, Vol. 10, No. 1, January/February 2004, pp. 129-136.				
	11.	LIVERINI, V. et al., "Low-loss GaInNAs saturable absorber mode locking a 1.3-µm solid-state laser," APPLIED PHYSICS LETTERS, Vol. 84, No. 20, May 17, 2004, pp. 4002-4004.				
	12.	LORENSER, D. et al., "Towards wafer-scale integration of high repetition rate passively mode-locked surface-emitting semiconductor lasers," APPLIED PHYSICS B (LASERS AND OPTICS), Vol. B79, No. 8, December 2004, pp. 927-932.				
	13.	PCT Search Report, PCT/US2005/010400, July 6, 2005.				
	14.	PCT Written Opinion, PCT/US2005/010400, July 6, 2005.				

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